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1. Document ID: US 7211569 B2

L51: Entry 1 of 13

File: USPT

May 1, 2007

US-PAT-NO: 7211569

DOCUMENT-IDENTIFIER: US 7211569 B2

TITLE: Synthetic human papilloma virus genes

DATE-ISSUED: May 1, 2007

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050075303 A1	April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nepper; Michael P	Collegeville	PA		US
McClements; William L.	Doylestown	PA		US
Jansen; Kathrin U.	Doylestown	PA		US
Schultz; Loren D.	Harleysville	PA		US
Chen; Ling	Blue Bell	PA		US
Wang; Xin-Min	Schwenksville	PA		US

US-CL-CURRENT: 514/44; 424/93.21, 435/320.1, 435/69.1, 536/23.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D.](#)

2. Document ID: US 7033797 B2

L51: Entry 2 of 13

File: USPT

Apr 25, 2006

US-PAT-NO: 7033797

DOCUMENT-IDENTIFIER: US 7033797 B2

TITLE: Synthetic virus-like particles with heterologous epitopes

DATE-ISSUED: April 25, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
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US 20050058988 A1

March 17, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Jansen; Kathrin U.</u>	Doylestown	PA		US
Ling; Jessica C.	Bensalem	PA		US
Ludmerer; Steven W.	Piscataway	NJ		US
McClements; William L.	Doylestown	PA		US
Wang; Xin-Min	Schwenksville	PA		US

US-CL-CURRENT: 435/69.1; 424/178.1, 424/204.1, 424/205.1, 435/345

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | **Attachments** | Claims | KIMC | Draw D

 3. Document ID: US 7001995 B1

L51: Entry 3 of 13

File: USPT

Feb 21, 2006

US-PAT-NO: 7001995

DOCUMENT-IDENTIFIER: US 7001995 B1

TITLE: Synthetic human papillomavirus genes

DATE-ISSUED: February 21, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nepper; Michael P	Collegeville	PA		US
McClements; William L.	Doylestown	PA		US
<u>Jansen; Kathrin U.</u>	Doylestown	PA		US
Schultz; Loren D.	Harleysville	PA		US
Chen; Ling	Blue Bell	PA		US
Wang; Xin-Min	Schwenksville	PA		US

US-CL-CURRENT: 536/23.1; 424/93.21, 435/320.1, 435/69.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | **Attachments** | Claims | KIMC | Draw D

 4. Document ID: US 6991795 B1

L51: Entry 4 of 13

File: USPT

Jan 31, 2006

US-PAT-NO: 6991795

DOCUMENT-IDENTIFIER: US 6991795 B1

TITLE: Protein delivery system using human papillomavirus virus-like particles

DATE-ISSUED: January 31, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lowe; Robert S.	North Wales	PA		US
Jansen; Kathrin U.	Doylestown	PA		US
Joyce; Joseph G.	Lansdale	PA		US
McClements; William L.	Doylestown	PA		US
Cook, III; James C.	Lansdale	PA		US
Ling; Jessica Ching-Yee	Bensalem	PA		US
Nepper; Michael P.	Collegeville	PA		US

US-CL-CURRENT: 424/185.1, 424/186.1, 424/192.1, 424/204.1, 435/320.1, 435/325,  
435/366, 435/371, 435/455, 435/456, 514/2, 536/23.1, 536/23.72

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5. Document ID: US 6908615 B1

L51: Entry 5 of 13

File: USPT

Jun 21, 2005

US-PAT-NO: 6908615

DOCUMENT-IDENTIFIER: US 6908615 B1

TITLE: DNA encoding human papilloma virus type 18

DATE-ISSUED: June 21, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hofmann; Kathryn J.	Collegeville	PA		
Jansen; Kathrin U.	Fort Washington	PA		
Nepper; Michael P.	Collegeville	PA		
Joyce; Joseph G.	Lansdale	PA		
George; Hugh A.	Schwenksville	PA		

US-CL-CURRENT: 424/204.1, 424/186.1, 435/235.1, 435/320.1, 435/6, 435/69.1, 530/300

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6. Document ID: US 6841157 B2

L51: Entry 6 of 13

File: USPT

Jan 11, 2005

US-PAT-NO: 6841157

DOCUMENT-IDENTIFIER: US 6841157 B2

TITLE: Production of chimeric human papillomavirus

DATE-ISSUED: January 11, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lowe; Robert S.	Harleysville	PA		
Meyers; Craig M.	Hummelstown	PA		
Zhang; Jiaping	Cranbury	NJ		
Kaupas; Michelle	Plymouth Meeting	PA		
<u>Jansen; Kathrin Ute</u>	Doylestown	PA		

US-CL-CURRENT: 424/204.1; 424/184.1, 424/205.1, 435/69.1

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7. Document ID: US 6689366 B1

L51: Entry 7 of 13

File: USPT

Feb 10, 2004

US-PAT-NO: 6689366

DOCUMENT-IDENTIFIER: US 6689366 B1

TITLE: Synthetic virus like particles with heterologous epitopes

DATE-ISSUED: February 10, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Jansen; Kathrin U.</u>	Doylestown	PA		
Ling; Jessica C.	Bensalem	PA		
Ludmerer; Steven W.	Piscataway	NJ		
McClements; William L.	Doylestown	PA		
Wang; Xin-Min	Schwenksville	PA		

US-CL-CURRENT: 424/204.1; 424/192.1, 435/235.1, 435/69.1, 435/69.3

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8. Document ID: US 6290965 B1

L51: Entry 8 of 13

File: USPT

Sep 18, 2001

US-PAT-NO: 6290965

DOCUMENT-IDENTIFIER: US 6290965 B1

TITLE: DNA encoding human papillomavirus type 6A

DATE-ISSUED: September 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Jansen; Kathrin U.</u>	Fort Washington	PA		

Hofmann; Kathryn J. Collegeville PA

US-CL-CURRENT: 424/199.1; 424/186.1, 424/204.1, 435/235.1, 435/239, 435/320.1,  
435/325, 435/91.1, 435/91.33, 514/44, 536/23.1, 536/23.72

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9. Document ID: US 6159729 A

L51: Entry 9 of 13

File: USPT

Dec 12, 2000

US-PAT-NO: 6159729

DOCUMENT-IDENTIFIER: US 6159729 A

TITLE: Synthetic HPV6/11 hybrid L1 DNA encoding human papillomavirus type 11 L1 protein

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hofmann; Kathryn J.	Collegeville	PA		
Jansen; Kathrin U.	Fort Washington	PA		
Nepper; Michael P.	Collegeville	PA		
Joyce; Joseph G.	Lansdale	PA		
George; Hugh A.	Schwenksville	PA		
Lehman; E. Dale	Lansdale	PA		

US-CL-CURRENT: 435/320.1; 536/23.72

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10. Document ID: US 5888516 A

L51: Entry 10 of 13

File: USPT

Mar 30, 1999

US-PAT-NO: 5888516

DOCUMENT-IDENTIFIER: US 5888516 A

TITLE: Recombinant papillomavirus vaccines

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jansen; Kathrin U.	Ft. Washington	PA		
Cook, III; James C.	Lansdale	PA		
George; Hugh A.	Schwenksville	PA		
Hofmann; Kathryn J.	Collegeville	PA		

Joyce; Joseph G.	Lansdale	PA
Lehman; Ernest Dale	Lansdale	PA
Markus; Henry Z.	Wyncote	PA
Rosolowsky; Mark	Doylestown	PA
Schultz; Loren S.	Harleysville	PA

US-CL-CURRENT: 424/204.1; 435/236, 435/69.3, 977/804, 977/915, 977/917, 977/918

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L49 and HPV

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<input type="checkbox"/>	L51 L49 and HPV	13
<input type="checkbox"/>	L50 L49 and HPV-31	0
<input type="checkbox"/>	L49 Jansen kathrin.in.	14
	<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L48 HPV-31 and codon optimized and yeast	0
	<i>DB=JPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L47 HPV-31 and codon optimized and yeast	0
	<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
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	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L45 L39 and HPV-31	0
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L42 HPV-31 and codon optimized and yeast	1
<input type="checkbox"/>	L41 HPV-45 and codon optimized and yeast	1
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<input type="checkbox"/>	L39 papillomavirus and codon optimized and yeast	29
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<input type="checkbox"/>	L36 codon optimized and yeast.clm.	46
<input type="checkbox"/>	L35 codon optimized and yeast	299
<input type="checkbox"/>	L34 HPV-45 and yeast	19
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<input type="checkbox"/>	L31 HPV-45 and host cell	19
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	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L24 L16 and HPV45	0
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<input type="checkbox"/>	L23 L16 and HPV45	0
<input type="checkbox"/>	L22 L16 and HPV-45	0
<input type="checkbox"/>	L21 L19 and HPV-45	0
	<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L20 L19 and HPV-45	0
<input type="checkbox"/>	L19 AU-2003219760-A8.did.	0
<input type="checkbox"/>	L18 WO-2003068933-A2.did.	0
<input type="checkbox"/>	L17 WO-2003068933-A2.did.	0
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<input type="checkbox"/>	L15 US-20040121465-A1.did.	1
	<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L14 WO-2003068933-A2.did.	0
	<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13 L12 and papillomavirus	3
<input type="checkbox"/>	L12 Robinson R A.in.	33
	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L7 codon optimized and human papillomavirus	24
<input type="checkbox"/>	L6 codon optimized and human papillomavirus.clm.	5
<input type="checkbox"/>	L5 yeast and HPV.clm. and salimi.xp.	40
<input type="checkbox"/>	L4 yeast and HPV and salimi.xp.	63
<input type="checkbox"/>	L3 optimized and HPV and salimi.xp.	17
<input type="checkbox"/>	L2 codon optimized and HPV.clm.	4
<input type="checkbox"/>	L1 codon optimized and HPV.clm.	4

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